

Figure 1

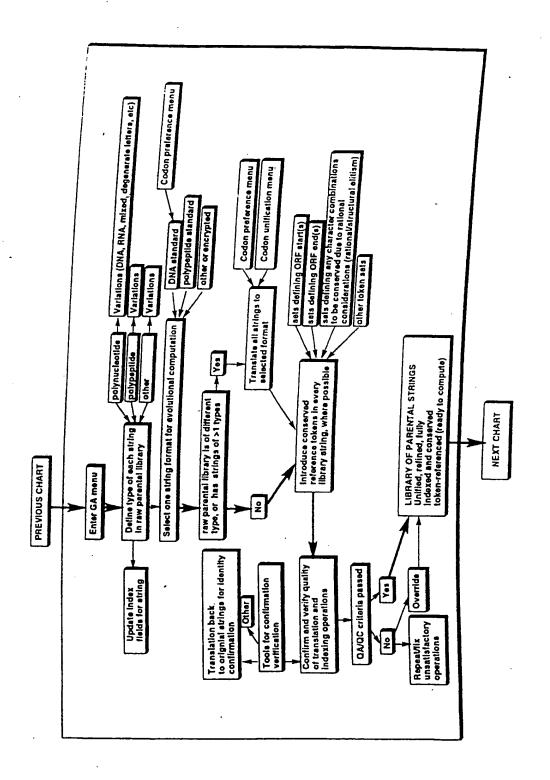


Figure 2

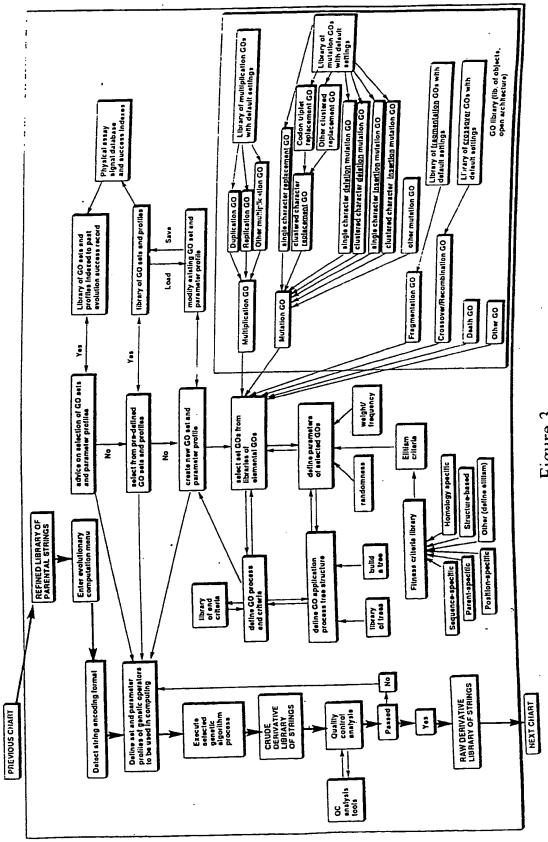


Figure 3

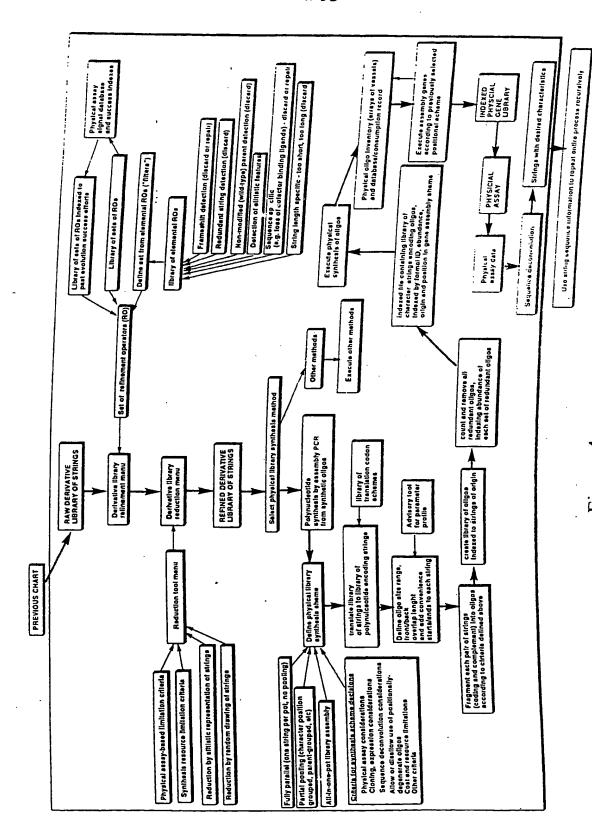


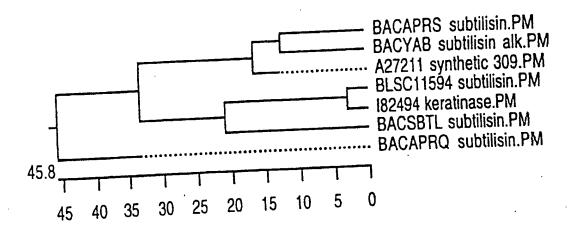
Figure 4

Figure 5

Percent Similarity

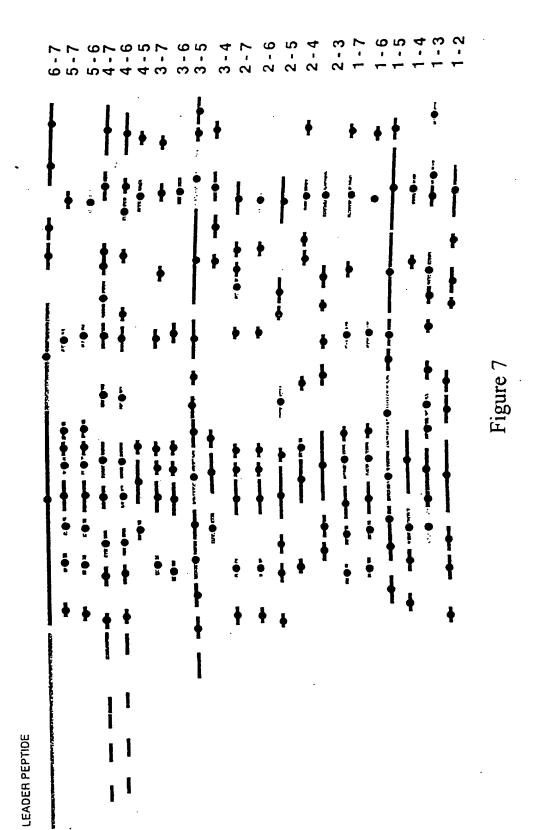
1 1	2	3	4	5	6	7	
 	├ ──	81.4	57.6	81.8	56.1	59.1	1
50.5		61.0	54.9	59.5	58.2	60.8	2
	52.0	-	54.6	78.4	50.6	53.2	3
ļ. —		62.3		52.0	64.6	67.9	4
↓			65.6		53.9	56.5	5
 				63.4		94.9	6
					10		7
52.5	51.4	66.0	30.5			7	
1	2	3	4	5	6	-	
	50.5 21.0 54.4 20.5 58.6 52.5	21.0 52.0 54.4 63.3 20.5 54.9 58.6 56.6 52.5 51.4	62.1 81.4 50.5 61.0 21.0 52.0 54.4 63.3 62.3 20.5 54.9 25.1 58.6 56.6 72.2 52.5 51.4 66.0	62.1 81.4 57.6 50.5 61.0 54.9 21.0 52.0 54.6 54.4 63.3 62.3	62.1 81.4 57.6 81.8 50.5 61.0 54.9 59.5 21.0 52.0 54.6 78.4 54.4 63.3 62.3 52.0 20.5 54.9 25.1 65.6 52.0 58.6 56.6 72.2 44.2 63.4 52.5 51.4 66.0 38.5 57.8	62.1 81.4 57.6 81.8 56.1 50.5 61.0 54.9 59.5 58.2 21.0 52.0 54.6 78.4 50.6 54.4 63.3 62.3 52.0 64.6 20.5 54.9 25.1 65.6 53.9 58.6 56.6 72.2 44.2 63.4 52.5 51.4 66.0 38.5 57.8 4.9	62.1 81.4 57.6 81.8 56.1 59.1 50.5 61.0 54.9 59.5 58.2 60.8 21.0 52.0 54.6 78.4 50.6 53.2 54.4 63.3 62.3 52.0 64.6 67.9 20.5 54.9 25.1 65.6 53.9 56.5 58.6 56.6 72.2 44.2 63.4 94.9 52.5 51.4 66.0 38.5 57.8 4.9 7

A27211 synthetic 309.PM BACAPRQ subtilisin.PM BACAPRS subtilisin.PM BACSBTL subtilisin.PM BACYAB subtilisin alk.PM BLSC11594 subtilisin.PM 182494 keratinase.PM



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Figure 6



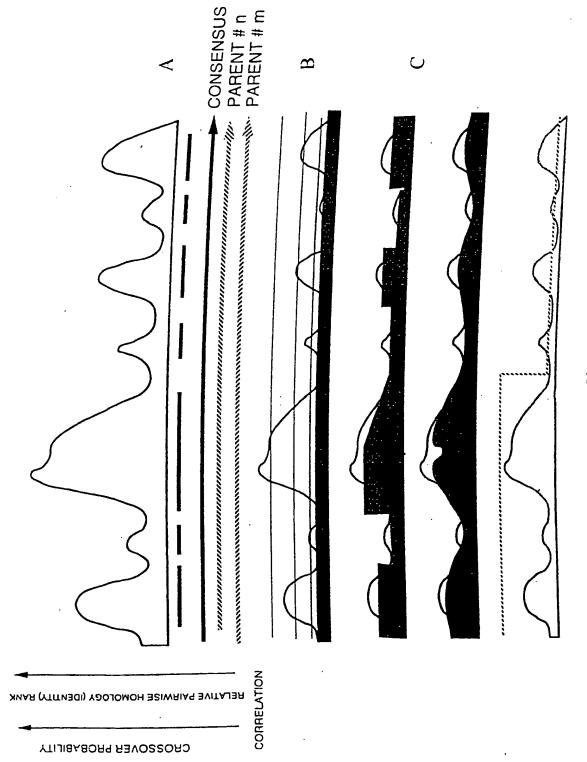


Figure 8

Figure 9

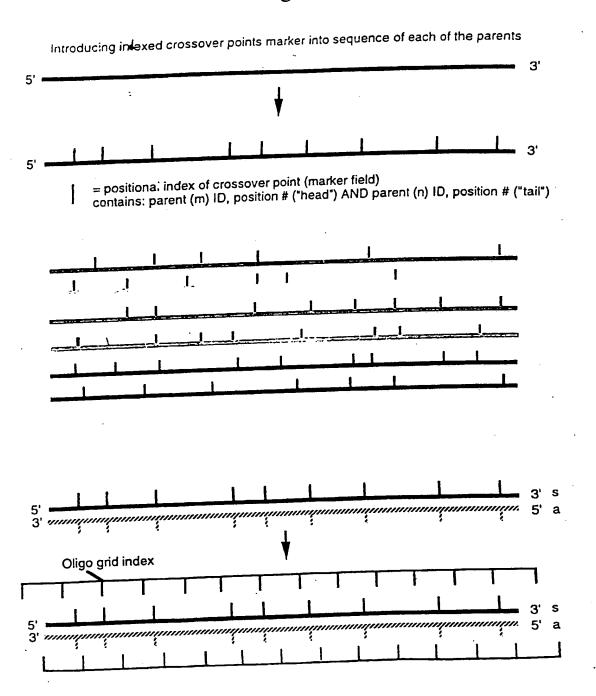
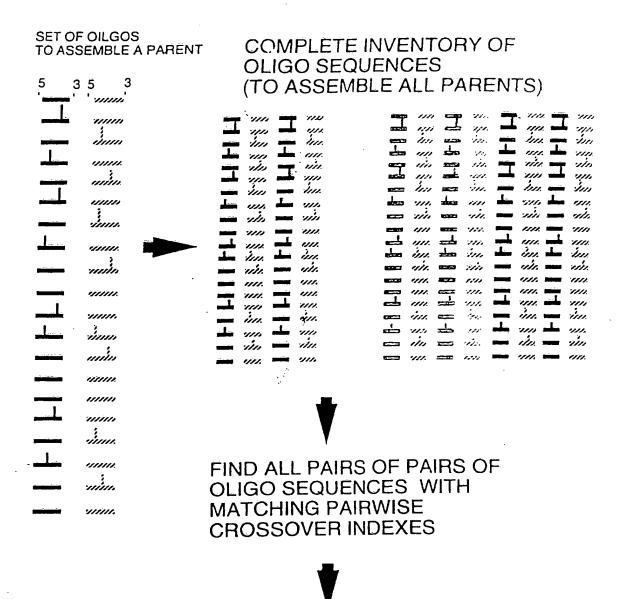


Figure 10



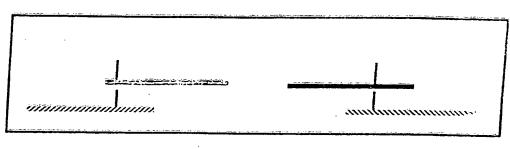
SUB-INVENTORY OF OLIGOS WITH CROSSOVER MARKERS

11/15

Figure 11

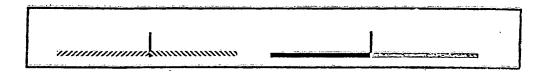


1





2





3

Figure 12

Pa	rce	nt	Sin	nila	iritv

	1	2	3	
1		87.1	79.1	1
2	13.0		83.3	2
3	21.7	17.9		3
	1	2	3	

24DNT-45DO.ISP-L.prot 2NT-23DO.ISP-L.prot NDO-PpG7.ISP-L.prot

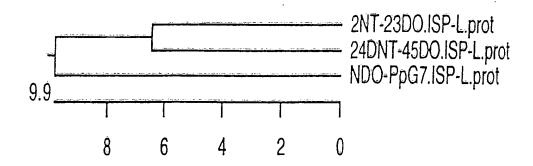


Figure 13

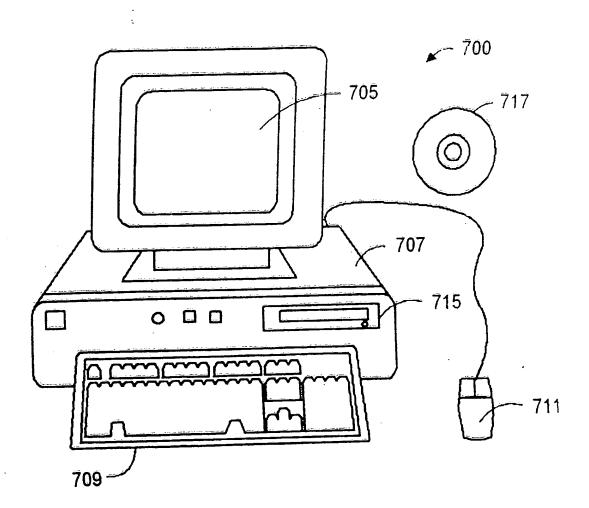
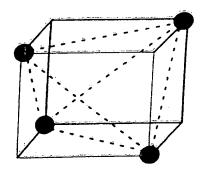


Figure 14



Geometric representation Equal distance between each nucleotide

Α	-1 -1 +1	
C	+1 -1 -1	
G	-1 +1 -1	
Ť	+1 +1 +1	

Numeric representation

Figure 15

